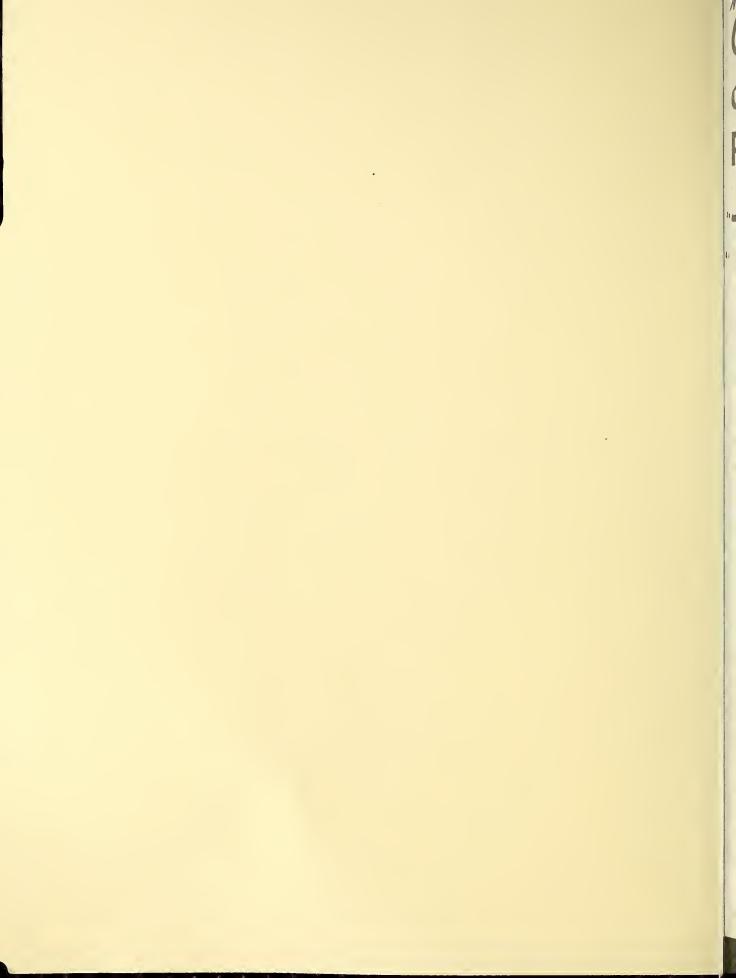
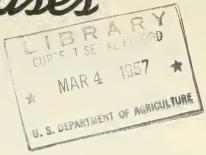
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# Consumer Purchases

of Selected FRUITS AND JUICES



in OCTOBER



JNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

WASHINGTON 25, D. C.

CPFJ - 36 Agriculture - Washington

January 1957

#### PREFACE

This report presents estimated total household consumer purchases of fresh citrus fruits, canned juices, and frozen concentrated juices and ades. These data represent projections to national totals based on reported purchases, and related information, from a representative national sample of approximately 6,000 household consumers.

A committee of the Florida industry working with representatives of the Department and the Market Research Corporation of America has reviewed the accuracy of the data presented in this series of reports. Based on past experience, and comparison with packers' reports, Bureau of Census stock reports, and estimates of use other than by householders, the committee agreed that projection of purchases by the Market Research Corporation of America consumer panel to a national total basis results in an over-estimate of purchases of frozen concentrated orange juice and canned single-strength grape-fruit juice. However, for each of these products, these data are considered as reliable indicators of both trends and relative changes in household purchases from one period to another.

The reports are issued as a part of a program financed cooperatively by participating fruit industry groups and the U. S. Department of Agriculture with funds provided under the Agricultural Marketing Act.

All data for single months in the report are based on 4-week periods (28 days) in order to permit comparisons between periods of equal length.

Based on data collected by the Market Research Corporation of America, under contract with the U. S. Department of Agriculture.

### CONSUMER PURCHASES OF SELECTED FRUITS AND JUICES IN OCTOBER 1956

The data in this report represent estimated total purchases by household consumers only and do not include those by hotels, restaurants, hospitals, or other institutional outlets. Data for single months are for 4-week periods (28 days) only, in order to permit comparisons between periods of equal length.

#### SUMMARY

Frozen Juices, Refrigerated Juices, and Ades: As a result of larger purchases of frozen concentrated orange juice, total purchases of frozen concentrated juices by United States householders in October 1956 were up about 6 percent from September and were slightly higher than in October 1955. However, purchases of frozen concentrated juice, other than orange, were down for both periods. Householders' purchases of frozen concentrated orange juice were about 9 percent larger than in the preceding month and 2 percent larger than in October 1955. Prices paid by householders for frozen concentrated orange juice during October were about 0.4 cent higher per 6-ounce can than a year earlier but were about unchanged from September 1956 (fig. 4).

Purchase data for frozen concentrated grapefruit juice, obtained for the first time since December 1952, showed that 1.3 percent of the Nation's families bought about 100,000 gallons during October 1956. Prices paid averaged 14.3 cents a 6-ounce can (table 1). Purchase information relating to frozen concentrated grape juice was discontinued as of September 30, 1956.

Householders' purchases of frozen concentrated lemonade during October 1956 were up sharply from a year earlier, but showed a sharp seasonal drop compared with September (fig. 5). Increased purchases compared with October 1955 were due solely to more families buying. Prices paid by householders averaged 13.4 cents a 6-ounce can-about 0.6 cent less than in October 1955 (table 1).

Data on chilled orange juice, obtained for the first time in October 1956, indicated that householders bought about 1.1 million gallons during a 4-week period of that month. Approximately 3 percent of United States families bought the product, paying an average of about 37 cents per equivalent quart of juice (table 1).

Household buying of shelf-pack concentrate for orangeade during October 1956 was up about 15 percent from September and about 4 percent from October a year earlier. These gains resulted from an increased proportion of families buying, as the average quantity purchased per buying family was lower than in the earlier periods. Prices paid were about the same as in September 1956, but slightly higher than October 1955 (table 1).

Householders' purchases of canned single-strength orangeade in October 1956 were materially higher than in October 1955, but moderately smaller than

in September 1956. Prices paid were almost unchanged from the preceding month but were slightly lower than in October 1955 (fig. 5).

Canned Fruits and Juices: The volume of canned single-strength juices bought by householders in October 1956 was about 6 percent larger than in September, but was about 3 percent smaller than in October 1955 (table 2). Approximately 775,000 cases (equivalent No. 2 cans) of orange juice were bought by householders during October 1956—this was the lowest monthly volume reported since data were first obtained in October 1949. Purchases were almost 30 percent smaller than in October a year earlier and almost 8 percent smaller than in September 1956 (fig. 6).

Household buying of canned grapefruit juice was down about 14 percent from October 1955, but almost unchanged from September 1956. Purchases of lemon juice, although down seasonally from September, were larger than in October 1955 (table 2).

Householders bought a larger volume of prune juice but a smaller volume of tomato juice than in October 1955. Purchases of both prune and tomato juice, however, were larger than in the preceding month. Total purchases of all "other" canned single-strength juices were larger during October 1956 than in October 1955 (table 2). Purchase data pertaining to canned single-strength grape, pineapple, and orange-grapefruit blended juices were discontinued as of September 30, 1956.

Prices paid for prune and lemon juice during October remained about the same as those in October 1955. However, prices paid for orange, grapefruit, and tomato juice ranged from 2 to 4 cents higher per 46-ounce can.

Householders bought about 384,000 cases equivalent No. 2 cans of grapefruit sections during October 1956. This volume was bought by 6.7 percent of the Nation's families. Prices paid by householders for canned grapefruit sections averaged about 18 cents per 303 can (table 2).

Fresh Fruit: Purchases of fresh oranges by householders amounted to about 1.3 million boxes in October 1956, up slightly from September but about 21 percent lower than October 1955 (fig. 7). California-Arizona, and Florida, as well as unidentified oranges, were purchased in smaller volume than in October 1955. Decreased purchases of Florida and unidentified oranges, however, were primarily responsible for lower total purchases. Although prices paid for California-Arizona oranges averaged only 1 cent higher per dozen than October 1955, prices paid for Florida and unidentified oranges were up about 8 and 4 cents a dozen, respectively (table 3).

On a box basis, householders bought less than one half the volume of fresh grapefruit purchased in October 1955. Decreased availability as a result of a lag in shipments of fresh grapefruit from Florida during October 1956 compared with the same period in 1955 was the major factor in lower total purchases. Prices paid for fresh grapefruit in October 1956 were considerably higher—about 28.0 cents per dozen than in October 1955 (fig. 7).

Householders bought the equivalent of about 250,000 boxes of fresh lemons during October 1956 or about a 9 percent larger volume than in October 1955. Prices paid for fresh lemons averaged about 46 cents per dozen--about 0.5 cent higher than in September 1956 and about 2 cents higher per dozen than in October 1955 (fig. 7).

Table 1.--Frozen juices, refrigerated juices, and ades: U.S. total consumer purchases and average price, October 1956 and 1955 (4-week period)

		tage of				Per buying	family			. Average price	
Commodity	all fa buyi	milies ng	Total o	quantity	Purch	ases		ity per chase	: Unit		e price unit
	1956	1955	1956	1955	1956	1955	1956	1955	-	1956	1955
	Percent	Percent	1,000 gallons	1,000 gallons	Number	Number	Ounces	Ounces	Ounces	Cents	Cents
rozen concentrated juices											
Orange Grapefruit Other concentrates	1.3	30.0 <u>1/</u> <u>2</u> /	5,070 98 434	4,962 <u>1</u> / 579	2.2 1.4 <u>2</u> /	2.3 <u>1/</u> <u>2/</u>	20.2 14.2 12.7	19.0 <u>1</u> / 15.5	6 6	17.0 14.3 18.2	16.6 <u>1</u> / 15.4
Total	30.9	31.9	5,602	5,541	2.5	2.5	19.2	18.3			
Chilled orange juice	3.0	<u>1</u> /	1,146	<u>1</u> /	2.8	<u>1</u> /	35.5	<u>1</u> /	3/	36.8	<u>1</u> /
Frozen Lemonade	3.8	2.5	350	230	1.6	1.5	15.6	16.7	6	13.4	14.0
Shelf-pack								,		-3	
Orangeadeingle-strength ade	1.3	1.1	117	113	1.5	1.5	15.6	16.9	6	16.9	16.3
Canned orangeade	3.4	2.8	484	351	1.8	1.7	71.9	64.1	46	26.9	27.5

<sup>1/</sup> Data not obtained for this period. 2/ Information not available 3/ Per equivalent quart.

Table 2.--Canned fruit and single-strength juices: U. S. total consumer purchases and average price, October 1956 and 1955 (4-week period)

		tage of	:		:	Per buying	family		:	: Averag	e price
Commodity	all families buying		: Total quantity : : :		Purchases		Quantity per purchase		: Unit	per	unit
	1956	1955	1956	1955	1956	1955	1956	1955	:	1956	1955
	Percent	Percent	1,000 cases 1/	1,000 cases 1/	Number	Number	Ounces	Ounces	Ounces	Cents	Cents
Canned fruit											
Grapefruit sections	6.7	<u>2</u> /	384	<u>2</u> /	1.6	2/	35.5	<u>2</u> /	<u>3</u> / 16	18.1	<u>2</u> /
Canned Juices											
Orange Grapefruit		10.2 8.8	775 884	1,104 1,033	1.7 1.6	1.7 1.6	51.1 61.8	55•3 65•2	46 46	36.4 27.9	32.3 25.3
Lemon	2.2	1.7	49	34	1.3	1.2	14.9	15.2	5 <del>1</del>	12.1	11.8
Prune Tomato		8.1 16.8	687 1,601	576 1,666	1.9 1.6	1.7	39.2 54.8	37.5 58.2	32 46	32.2 27.8	32.2 25.8
Total <u>4</u> /	46.6	47.3	6,947	7,143	2.6	2.6	50.6	52.2			

Equivalent cases of No. 2 cans-432 ounces per case. Data not obtained for this period.
Net weight 1 lb. (No. 303 can).
Includes other canned single-strength juices.

Table 3.--Fresh citrus fruit: U. S. total consumer purchases and average price, October 1956 and 1955 (4-week period)

	Percentag		Total	quantity	:	Per buyin		: Average price : per dozen		
Commodity	buying		2		Purch	nases		ity per chase		
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
:	Percent	Percent	1,000 boxes	1,000 boxes	Number	Number	Units	Units	Cents	Cents
ranges										
California-Arizona Florida Unidentified	3.9	20.1 8.5 6.4	938 166 165	1,009 390 202	1.9 1.4 1.4	1.9 1.4 1.3	13.2 12.0 12.3	12.5 13.1 11.5	45.6 44.9 44.8	44.6 36.8 40.5
Total <u>1</u> /	25.7	31.0	1,301	1,643	1.9	2.0	12.9	12.5	45.2	42.1
rapefruit										
California-Arizona Florida Unidentified	6.6	2.5 11.9 10.0	69 200 156	73 494 377	1.5 1.4 1.3	1.3 1.5 1.4	4.6 3.5 3.5	4.1 4.4 4.2	98.9 129.1 124.5	104.6 85.9 93.1
Total <u>1</u> /	12.8	22.4	242424	984	1.5	1.6	3.8	4.3	118.7	90.7
mons	17.5	16.6	248	228	1.5	1.6	6.5	6.4	46.2	43.9

<sup>1/</sup> Includes small purchases of Texas fruit.

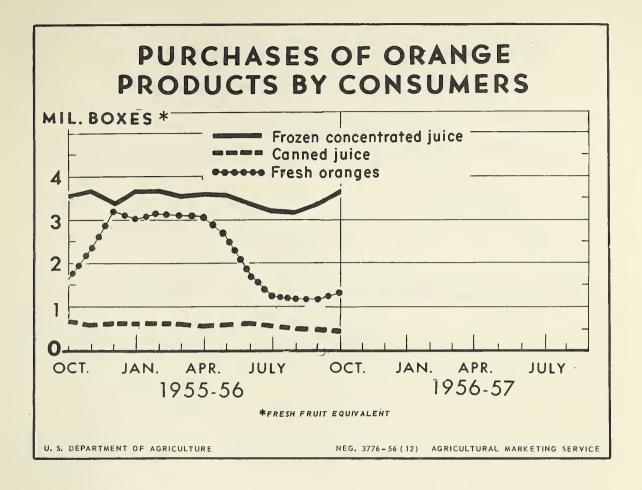


Figure 1

Consumer purchases of orange products, equivalent boxes of fresh oranges, October 1955 to date

Period		esh nges	: Frozen con	centrated e juice	Canned s streng orange j	th	Tot al		
	1956-57	<u>:</u> 1955 <b>-5</b> 6	1956-57	1955-56	1956-57	1955-56	1956-57 1,000 boxes 5,380	1955-56	
:	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	.,	1,000 boxes	
ctober  pvember  cember  October-December 1/		1,643 2,350 3,270 8,020	3,620	3,597 3,621 3,395 11,471	459	773 672 723 2,337	5,380	6,013 6,643 7,388 21,828	
anuary:		3,008 3,142 3,126		3,671 3,649 3,569		747 715 693		7,426 7,506 7,388	
October-March 1/: :::::::::::::::::::::::::::::::		18,166 3,055		23,406 3,603		4,675 664		46,247 7,322	
y		2,617 1,726 26,041		3,565 3,390 34,916		685 684 6,865		6,867 5,800 67,822	
llygustptember		1,268 1,160 1,129		3,201 3,147 3,310		612 552 571		5,081 4,859 5,010	
Season 1/:		29 <b>,</b> 875		45,455		8,467		83,797	

<sup>1/</sup> The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

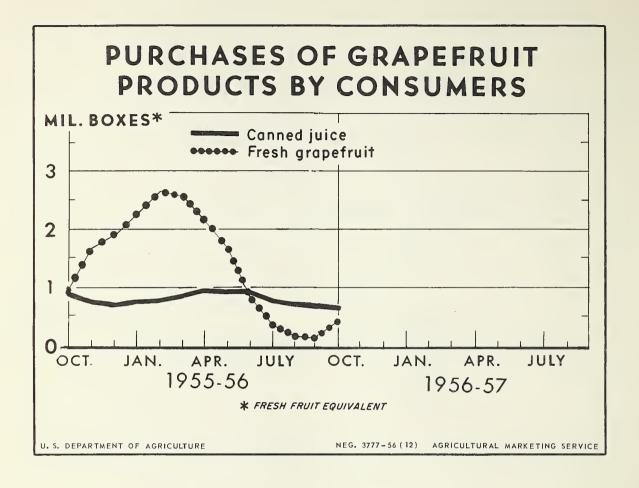


Figure 2

Consumer purchases of grapefruit products, equivalent boxes of fresh grapefruit, October 1955 to date

Period	Fre grapef		str	single- ength it juice $1/$	Total		
:	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	
	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	
tobervembercember.	<del>ի</del> <del>ի</del> ի	984 1,695 1,932	674	9 <b>21</b> 772 828	1,118	1,905 2,467 2,760	
October-December 1/		5,165		2,722		7,887	
nuary		2,246 2,672 2,543		882 877 962		3,128 3,549 3,505	
October-March 1/		13,370 2,165 1,668 860 18,411		5,670 1,050 1,032 1,034 9,034		19,040 3,215 2,700 1,894 27,445	
_y;  pust;  pust;  ptember;  peason 1/;		353 184 161		868 792 771		1,221 976 932 30,795	

<sup>1/</sup> The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

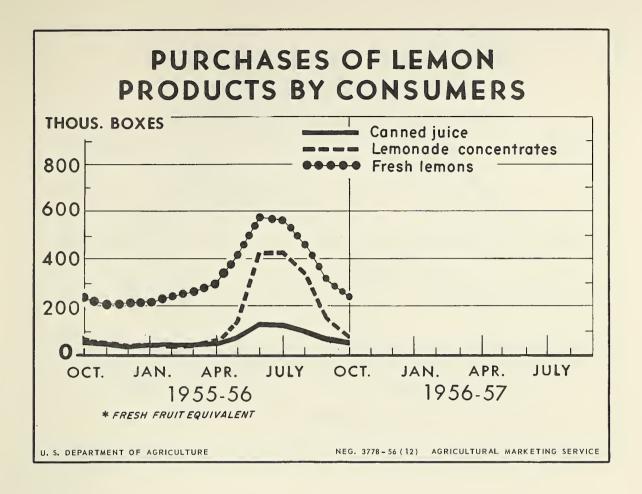


Figure 3 Consumer purchases of lemon products, equivalent boxes of fresh lemons, October 1955 to date

	Fres	h :	Lemon		Co	oncentrate	for lemonade	e :		
Period	lemons		: Juice 1/:		Froze	en	Total	2/	Tota	al
,	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56
	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes	1,000 boxes
October November December October-December 3/		228 207 216 713	53	39 35 36 129	74	49 37 31 125	75	53 39 34 133	376	320 281 286 975
January February March October-March 3/		218 242 261 1,492		37 42 42 262		32 34 37 236		37 36 40 255		292 320 343 2,009
April May. June. October-June 3/		288 416 573 2,876		46 71 124 528		58 135 410 894		59 138 425 937		393 625 1,122 4,341
JulyAugustSeptemberSeason 3/		563 457 309 4,303		117 96 65 815		415 341 137 1,870		426 351 141 1,947		1,106 904 515 7,058

Includes canned single-strength lemon juice and small quantities of frozen single-strength juice.

The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

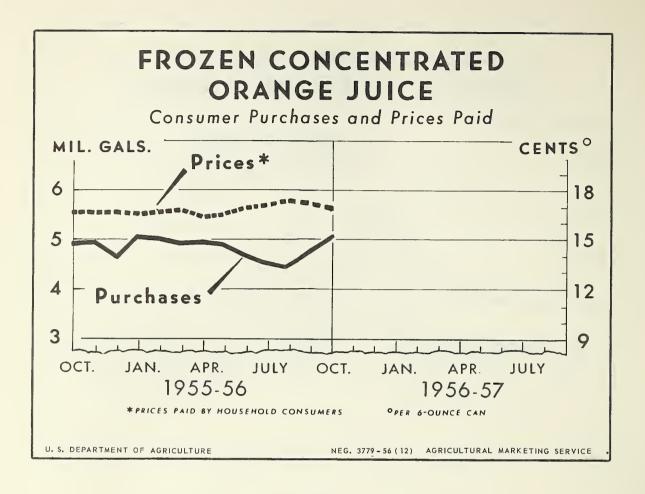


Figure 4

Frozen concentrated orange juice: Consumer purchases and average price paid, October 1955 to date

Paris d	Purc	hases	Average per 6 c	
Period	1956-57	1955-56	1956-57	1955-56
<del></del>	1,000 gallons	1,000 gallons	Cents	Cents
ctober	5,070	. 4,962	17.0	16.6
ovember:		4,995		16.6
ecember		4,683		16.7
October-December 1/:		15,822		
nuary:		5,043		16.6
bruary:		5,012		16.7
arch:		4,903		16.8
October-March 1/		32,216		
orll		4,970		16.4
ıy:		4,917		16.5
.ne		4,676		16.8
October-June 1/		48,092		
aly		4,515		17.0
igust:		4,515 4,439		17.3
ptember		4,669		17.2
Season 1/		62,957		

<sup>1/</sup> The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

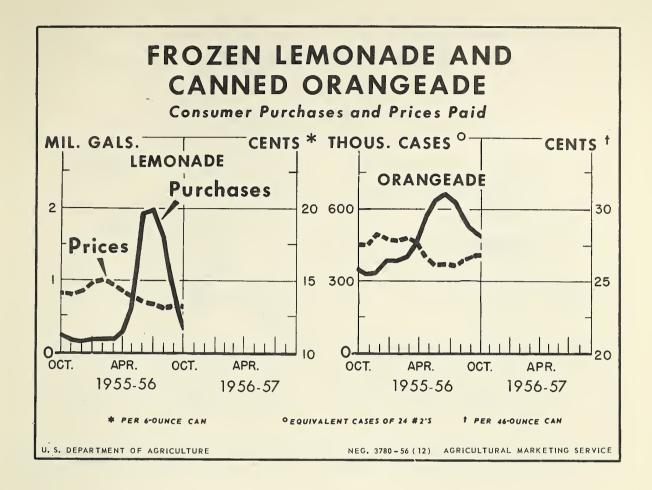


Figure 5

Frozen lemonade and canned single-strength orangeade: Consumer purchases and average price paid, October 1955 to date

		Frozen le	monade	;	Canned single-strength orangeade					
Period	Purchase	es :	Average p		Purcha	ses	: Average price : per 46 oz. can			
	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56		
	1,000 gallons	1,000 gallons	Cents	Cents	1,000 cases 1/	1,000 cases 1/	Cents	Cents		
ctoberovember	350	230 17 <b>4</b> 147	13.4	14.0 14.0 14.3	484	351 326 330	26.9	27.5 27.3 28.2		
October-December 2/		593 153 163 177		14.8 14.8 14.7		379 379 379 393		27.9 27.6 28.0		
October-March 2/		273 640 1,942		14.2 13.8 13.6		2,348 446 563 634		27.6 26.7 26.2		
October-June 2/		1,966 1,614 648 8,866		13.3 13.1 13.3		4,106 660 627 522 6,087		26.2 26.1 26.6		

<sup>1/</sup> Equivalent cases of 24 No. 2 cans--432 ounces per case.
2/ The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods.
Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

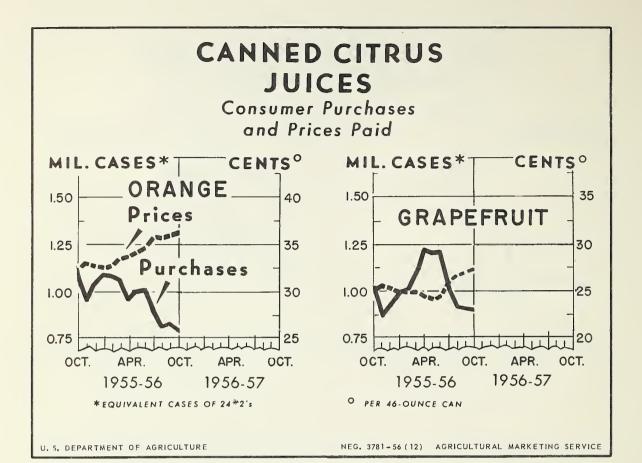


Figure 6

Canned citrus juices: Consumer purchases and average price paid, October 1955 to date

		Ore	ange		:	Grape	efruit		
Period	Purc	chases		e price oz. can	Purc	chases	: Average price : per 46 oz. can		
	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	
	1,000 cases 1/	1,000 cases 1/	Cents	Cents	1,000 cases 1/	1,000 cases 1/	Cents	Cents	
tobervemberember	<b>77</b> 5	1,104 954 1,038	36.4	32.3 33.0 32.8	884	1,033 857 930	27.9	25.3 25.5 25.2	
October-December <u>2</u> /:		3,351				3,059			
nuary bruary reh		1,081 1,077 1,021		32.7 33.1 33.5		981 1,025 1,114		24.9 24.8 24.8	
October-March 2/		6,801				6,439			
ril		960 1,000 1,013		33.5 34.2 34.5		1,223 1,204 1,221		24.5 24.4 24.6	
October-June <u>2</u> /		9,996				10,370			
lygustgust		898 814 839		35.7 35.6 36.2		1,007 924 890		26.0 26.6 27.3	
Season <u>2</u> /		12,751				13,410			

<sup>1/</sup> Equivalent cases of 24 No. 2 cans-432 ounces per case.
2/ The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

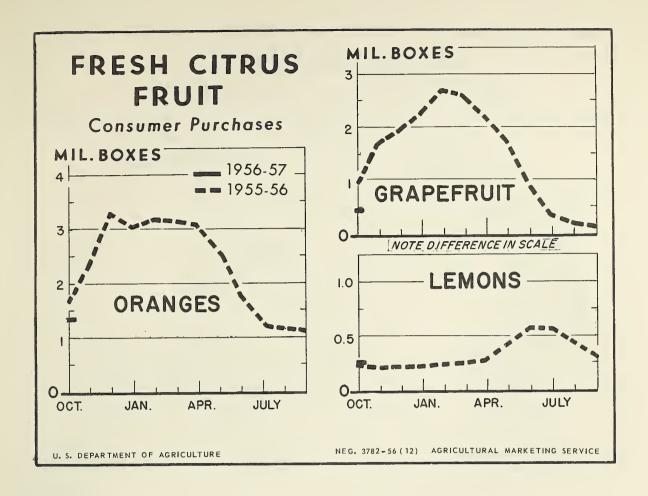


Figure 7

Fresh citrus fruit: Consumer purchases and average price paid, October 1955 to date

		Oran	ges	:	Grapefruit				Lemons				
Period	Purchases		Average price : per dozen :		Purch	Purchases		Average price : per dozen :		ases : Average			
	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	1956-57	1955-56	19 <b>5</b> 6-57	1955-56	1956-57	1955-56	
	1,000 boxes	1,000 boxes	Cents	Cents	1,000 boxes	1,000 boxes	Cents	Cents	1,000 boxes	1,000 boxes	Cents	Cents	
ctoberovemberecember		1,643 2,350 3,270	45.2	42.1 37.9 39.4	444	984 1,695 1,932	118.7	90.7 80.1 77.8	248	228 207 216	46.2	43.9 45.5 46.8	
October-December 1/		8,020				5,165				713			
anuary ebruary arch		3,008 3,142 3,126		41.4 43.7 44.9		2,246 2,672 2,543		77.9 73.4 76.0		218 242 261		48.1 46.3 44.6	
October-March 1/		18,166				13,370				1,492			
pril	:	3,055 2,617		45.8 51.5		2,165 1,668 860		81.1		288 416		42.5	
October-June 1/		1,726 26,041		53.0		18,411		100.5		573 2,876		44.0	
uly ugusteptember		1,268 1,160 1,129		45.8 43.0 44.7		353 184 161		105.6 108.8 120.5		563 457 309		44.6 43.9 45.8	
Season 1/		29,875				19,142				4,303			

<sup>1/</sup> The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.

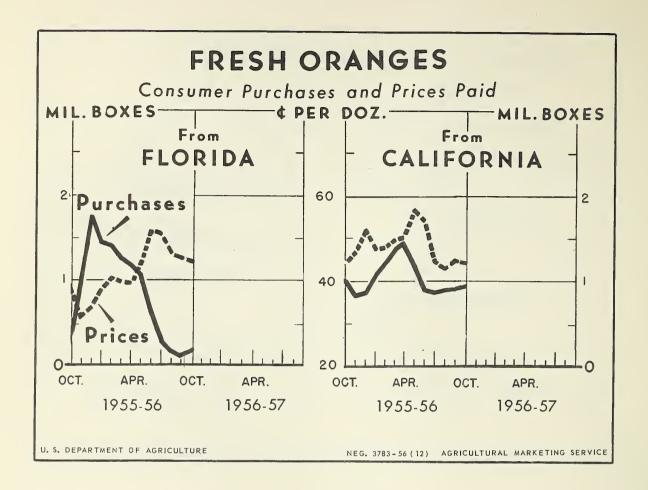


Figure 8
Florida and California-Arizona fresh oranges: Consumer purchases and average price paid, October 1955 to date

:		Fl	orida		California-Arizona					
Period	Purc	hases		e price dozen	Pur	chases	: Average price : per dozen			
	1956-57 1 1,000 boxes 166  r-December 1/  r-March 1/  r-June 1/  1	1955-56	1956-57	1955-56	1956 <b>-</b> 57	1955-56	1956-57	1955-56		
		1,000 boxes	Cents	Cents	1,000 boxes	1,000 boxes	Cents	Cents		
tober	166	390 1,081 1,765	44.9	36.8 32.0 33.8	938	1,009 842 871	45.6	44.6 47.0 52.2		
October-December 1/		3,618				2,953	·			
nuarybruary		1,427 1,399 1,261		37.5 40.2 39.6		1,063 1,191 1,384		47.4 48.0 49.8		
October-March 1/		8,070				6,944				
rily		1,186 1,065 596		39.7 44.5 51.5		1,458 1,190 892		50.3 56.9 54.1		
October-June 1/		11,137				10,679				
lygustptember		248 144 86		50.8 46.8 45.1		859 870 886		44.8 42.8 44.7		
Season 1/		11,639				13,515				

<sup>1/</sup> The data on household purchases are based on 4-week periods (28 days) during each month in order to permit comparisons between periods of equal length. The season-to-date totals shown each 3 months are based on complete calendar periods. Therefore, an additional week is included in the cumulative purchase totals for each 3-month period.



